

**NATURAL RESOURCES CONSERVATION SERVICE
DOCUMENTATION AND CERTIFICATION**

**COMPOSTING FACILITY
Code 317**

The items below shall be recorded in the conservation plan, conservation notes or an approved form as minimum documentation requirements for a practice.

1. Location and Site Investigation

Environmental Checklist Form (CB-EVC-2)
Form CB-ENG-PLNG-1, Engineering Planning Consideration Checklist and Guide
Location Map (Topographic Quadrangles)
Aerial Photos
Surveying Plat (Property Limits)
Flooding Maps (FEMA)
SHPO - Cultural Resources Inventory
Maps from Utilities Co. Providers

References:

- TR-1, Form CB-ENG-PLNG-1, Engineering Planning Consideration Checklist and Guide
- Conservation Map
- NRCS, GM 420, Part 401, Cultural Resources
- USGS Topographic Quadrangles

2. Soils/Geology Investigation

Geologic Maps
Soil Boring - Form CB-ENG-016, Site Investigation Log Sheet
Log Test Pit
Conservation Plan Soil Map
Soil Testing Lab (Optional)

References:

- NRCS Area Soil Survey
- TR-1, Form CB-ENG-016, Site Investigation Log Sheet
- 210-VI-NEH-650.04 Chapter 4 (Elementary Soil Engineering Plans)
- 210-VI-GN-03 (Geologic Investigation)
- 210-VI-NEH-05 (Engineering Geology)
- Unified Soil Classification Chart

3. Engineering Survey

Form SCS-ENG-28

Form SCS-ENG-29

Surveying Computer Programs

References:

- 210-VI-TR-62, Engineering Layout, Notes, Staking and Calculations
- 210-VI-NEH-650.01, EFH Chapter 1, Engineering Survey

4. Engineering Criteria

References:

- CB FOTG Sec. IV, Code 317, Composting Facility
- CB FOTG Sec. IV, Code 317, Composting Facility – Construction Specification
- CB FOTG Sec. IV, Code 362, Diversion
- CB FOTG Sec. IV, Code 753, Infiltration Ditches
- CB FOTG Sec. IV, Code 590, Nutrient Management
- CB FOTG Sec. IV, Code 472, Use Exclusion
- CB FOTG Sec. IV, Code 633, Waste Utilization
- CB FOTG Sec. IV, Code 380, Windbreak/Shelterbelt Establishment
- CB FOTG Sec. IV, Code 313, Waste Storage Facility
- NE Regional Agricultural Engineering Service, Cooperative Extension “On-farm Composting Handbook,” NRAES-54
- NEH Part 651, AWMFH, Chapter 10
- NEH Part 637, Environmental Engineering, Chapter 2 - Composting

5. Drafting and Drawings

Drafting Computer Programs Output

Sketches and Drawings

References:

- 210-VI-NEH-650.05, EFH Chapter 5, Preparation of Engineering Plans
- 210-VI-TR-73, Computer Aided Design and Drafting (CADD) Standards

6. Engineering Cost Estimates

Local Suppliers Material Cost Lists

References:

- CB FOTG Section I, Cost Data
- Blue Book

7. Construction Materials and Specifications

Local Suppliers Material Cost Lists

References:

- 210-VI-NEH-650.17, EFH Chapter 17, Construction and Construction Materials
- 210-VI-NEH-Part 642, Specifications for Construction Contracts
- ASTM Standard Specifications
- ASAE EP 378.3
- ASAE EP 486.1
- SDSR RP 393.2
- Design of Slabs-on-Grade – ACI 360
- Federal Specification TT-W-571
- Building Code Requirements for Reinforced Concrete – ACI 318
- Building Code Requirements for Masonry Concrete – ACI 350

8. Installation and Certification

Certification that application meets NRCS standards and specifications

Reference:

- 210-VI-NEH-19, Section 19, Construction Inspection

9. Operation and Maintenance

Operation and Maintenance Plan

Reference:

- FOTG – Operation and Maintenance Guidelines for Composting Facility, Code 317